

Amendments to the Claims

The following claims replace all prior claims in this application:

1. (currently amended) A process for producing a fertilizer impregnated with an agriculturally active chemical selected from the group consisting of prodiamine, pendimethalin, benefin, triflurin and Bifenthrin or mixtures thereof comprising contacting a particulate fertilizer with a liquid impregnating composition comprising at least ~~5~~ 10 wt.% of the agriculturally active chemical dissolved in an organic liquid carrier comprising a pyrrolidone, lactone or mixture thereof having a flash point above ~38° C (100° F) and exhibiting a Primary Irritation Score under 16 CFR 1500.3(c)(4) of 5 or less.

2. (currently amended) The process of claim 1, wherein the impregnating composition comprises at least ~~10~~ 30 wt.% of the agriculturally active chemical and further wherein the organic liquid carrier exhibits a Primary Irritation Score under 16 CFR 1500.3(c)(4) of 1.5 or less.

3. (currently amended) The process of claim 2, wherein the ~~organic liquid carrier is a pyrrolidone, lactone or mixtures thereof~~ agriculturally active chemical is prodiamine.

4. (amended) The process of claim 3, wherein the organic liquid carrier is N-methyl pyrrolidone, γ -butyrolactone or mixtures thereof.

5. (original) The process of claim 4, wherein the organic liquid carrier is N-methyl pyrrolidone.

6. (currently amended) The process of claim 5, wherein ~~the organic liquid carrier is N-methyl pyrrolidone~~ wherein the liquid impregnating composition contains at least about 35 wt.% prodiamine.

7. (amended) The process of claim 6, wherein the liquid impregnating composition contains ~~10-50 wt.%~~ at least about 40 wt.% prodiamine.

8. (original) The process of claim 7, wherein the particulate fertilizer is a lawn fertilizer having a particle size of about 6.5 mm to 0.25 mm and a bulk density of about 0.05 to 1.5 gms/cc.

9. (original) The process of claim 8, wherein the liquid impregnating composition is sprayed on the particulate fertilizer in an amount to provide a fertilizer product containing about 0.1 to 2 wt.% prodiamine.

10. (currently amended) A fertilizer product comprising a particulate fertilizer substrate impregnated on its surface with an agriculturally active chemical selected from the group consisting of prodiamine, pendimethalin, benefin, triflurin and Bifenthrin or mixtures thereof, the fertilizer substrate being impregnated with a solution containing at least about 10 wt.% of the agriculturally active chemical in an organic liquid carrier comprising a pyrrolidone, lactone or mixture thereof having a flash point above ~38° C (100° F) and exhibiting a Primary Irritation Score under 16 CFR 1500.3(c)(4) of 5 or less to thereby produce a, ~~the fertilizer product containing from a trace amount to about 10 wt.% of an the organic liquid carrier capable of dissolving the agriculturally active chemical in a concentration of at least 5 wt.%, the organic liquid carrier having a flash point above ~38° C (100° F) and exhibiting a Primary Irritation Score under 16 CFR 1500.3(c)(4) of 5 or less and about 0.1 to 2 wt.% of the agriculturally active chemical.~~

11. (original) The fertilizer product of claim 10, wherein the fertilizer substrate is impregnated with a solution containing at least about 30 wt.% of the agriculturally active chemical and further wherein the fertilizer product contains about 0.01 wt.% to 5 wt.% of the organic liquid carrier.

12. (original) The fertilizer product of claim 11, wherein the fertilizer product contains about 0.2 to 1.5 wt.% of the organic liquid carrier.

13. (currently amended) The fertilizer product of claim 10, wherein the agriculturally active chemical is prodiamine, and further wherein the organic liquid carrier is a pyrrolidone, lactone or mixtures thereof.

14. (original) The fertilizer product of claim 13, wherein the organic liquid carrier is N-methyl pyrrolidone, γ -butyrolactone or mixtures thereof.

15. (original) The fertilizer product of claim 14, wherein the organic liquid carrier is N-methyl pyrrolidone.

16. (cancelled) The fertilizer product of claim 15, wherein the agriculturally active chemical is prodiamine.

17. (currently amended) The fertilizer product of claim ~~16~~ 15, wherein the fertilizer product contains about 0.1 to 2 wt.% prodiamine and about 0.2 to 1.5 wt.% N-methyl pyrrolidone.

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18-21. (cancelled)

22. (amended) The fertilizer product of claim ~~21~~ 11, wherein the fertilizer product contains about 0.1 to 2 wt.% agriculturally active chemical.

23. (cancelled)